



1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/893,512A

DATE: 02/24/2003

TIME: 13:45:10

#16

Input Set : A:\76750001.app

Output Set: N:\CRF4\02242003\I893512A.raw

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3 <110> APPLICANT: OWMAN, CHRISTER
5 <120> TITLE OF INVENTION: HEPTAHELIX RECEPTOR AND ITS USE AS LEUKOTRIENE B4
6 RECEPTOR
8 <130> FILE REFERENCE: 07675.0001-03 SEQUENCE LISTING
10 <140> CURRENT APPLICATION NUMBER: 09/893,512A
11 <141> CURRENT FILING DATE: 2001-06-29
13 <150> PRIOR APPLICATION NUMBER: 60/061,789
14 <151> PRIOR FILING DATE: 1997-10-14
16 <150> PRIOR APPLICATION NUMBER: 60/081,958
17 <151> PRIOR FILING DATE: 1998-04-15
19 <150> PRIOR APPLICATION NUMBER: 09/170,069
20 <151> PRIOR FILING DATE: 1998-10-13
22 <160> NUMBER OF SEQ ID NOS: 16
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 1672
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
31 <400> SEQUENCE: 1
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34 ggttgccctg gaaaacagac tatccccct ctagtggaag ggagtgggta ggggtttcag 180
35 cccaccctc aggaagatgc gtcttccttg tcctctgctc tgtgtgactt cctctctggc 240
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37 ataggctaca ccacctgcc ctgacctgg gattggcatc agcttccaac cagttcctgc 360
38 caaagcttgt aaggtcctcc cgacggccat gaacactaca tcttctgcag cccccctc 420
39 actaggtgta gagttcatct ctctgctggc tatcatcctg ctgtcagtgg cgctggctgt 480
40 ggggcttccc ggcaacagct ttgtggtgtg gagtatcctg aaaaggatgc agaagcgctc 540
41 tgtcactgcc ctgatggtgc tgaacctggc cctggccgac ctggccgtat tgctcactgc 600
42 tccctttttc cttcacttcc tggcccaagg cacctggagt tttggactgg ctgggtgccc 660
43 cctgtgtcac tatgtctgcg gagtccagcat gtacgccagc gtccctgctta tcacggccat 720
44 gagtctagac cgctcactgg cggtgcccg cccctttgtg tcccagaagc tacgcaccaa 780
45 ggcgatggcc cggcgggtgc tggcaggcat ctgggtgttg tcctttctgc tggccacacc 840
46 cgctctcgcg taccgcacag tagtgccctg gaaaacgaac atgagcctgt gcttcccgcg 900
47 gtaccccgag gaagggcacc gggccttcca tctaattctc gaggctgtca cgggcttcc 960
48 gctgcccttc ctggctgtgg tggccagcta ctcgacata gggcgctggc tacaggcccg 1020
49 gcgcttccgc cgcagccgcc gcaccggccg cctgggtggg ctcatcatcc tgaccttcgc 1080
50 cgccttcttg ctgccctacc acgtggtgaa cctggctgag gcgggcccgc cgctggccgg 1140
51 ccaggccgcc gggtagggc tcgtggggaa gcggctgagc ctggcccga acgtgctcat 1200
52 cgcactcgcc ttcctgagca gcagcgtgaa ccccgctgctg tacgcgtgcg ccggcggcgg 1260
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56 gaactaggcc tgggtggaagg aggcgcactt tcctcctggc agaatgctag ctctgagcca 1500
57 gttcagtacc tggaggagga gcaggggcgt ggagggcgtg gagggcgtgg gagcgtggga 1560
58 ggcgggagtg gagtgggaaga agagggagag gtggagcaaa gtgagggccg agtgagagcg 1620
59 tgctccagcc tggctccac aggcagcttt aaccattaaa actgaagtct ga 1672
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63 <211> LENGTH: 352
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 2
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69 1 5 10 15
71 Ile Ser Leu Leu Ala Ile Ile Leu Leu Ser Val Ala Leu Ala Val Gly
72 20 25 30
74 Leu Pro Gly Asn Ser Phe Val Val Trp Ser Ile Leu Lys Arg Met Gln
75 35 40 45
77 Lys Arg Ser Val Thr Ala Leu Met Val Leu Asn Leu Ala Leu Ala Asp
78 50 55 60
80 Leu Ala Val Leu Leu Thr Ala Pro Phe Phe Leu His Phe Leu Ala Gln
81 65 70 75 80
83 Gly Thr Trp Ser Phe Gly Leu Ala Gly Cys Arg Leu Cys His Tyr Val
84 85 90 95
86 Cys Gly Val Ser Met Tyr Ala Ser Val Leu Leu Ile Thr Ala Met Ser
87 100 105 110
89 Leu Asp Arg Ser Leu Ala Val Ala Arg Pro Phe Val Ser Gln Lys Leu
90 115 120 125
92 Arg Thr Lys Ala Met Ala Arg Arg Val Leu Ala Gly Ile Trp Val Leu
93 130 135 140
95 Ser Phe Leu Leu Ala Thr Pro Val Leu Ala Tyr Arg Thr Val Val Pro
96 145 150 155 160
98 Trp Lys Thr Asn Met Ser Leu Cys Phe Pro Arg Tyr Pro Ser Glu Gly
99 165 170 175
101 His Arg Ala Phe His Leu Ile Phe Glu Ala Val Thr Gly Phe Leu Leu
102 180 185 190
104 Pro Phe Leu Ala Val Val Ala Ser Tyr Ser Asp Ile Gly Arg Arg Leu
105 195 200 205
107 Gln Ala Arg Arg Phe Arg Arg Ser Arg Arg Thr Gly Arg Leu Val Val
108 210 215 220
110 Leu Ile Ile Leu Thr Phe Ala Ala Phe Trp Leu Pro Tyr His Val Val
111 225 230 235 240
113 Asn Leu Ala Glu Ala Gly Arg Ala Leu Ala Gly Gln Ala Ala Gly Leu
114 245 250 255
116 Gly Leu Val Gly Lys Arg Leu Ser Leu Ala Arg Asn Val Leu Ile Ala
117 260 265 270
119 Leu Ala Phe Leu Ser Ser Ser Val Asn Pro Val Leu Tyr Ala Cys Ala
120 275 280 285
122 Gly Gly Gly Leu Leu Arg Ser Ala Gly Val Gly Phe Val Ala Lys Leu
123 290 295 300
125 Leu Glu Gly Thr Gly Ser Glu Ala Ser Ser Thr Arg Arg Gly Gly Ser
126 305 310 315 320

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Input Set : A:\76750001.app

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128 Leu Gly Gln Thr Ala Arg Ser Gly Pro Ala Ala Leu Glu Pro Gly Pro
129                               325                               330                               335
131 Ser Glu Ser Leu Thr Ala Ser Ser Pro Leu Lys Leu Asn Glu Leu Asn
132                               340                               345                               350
138 <210> SEQ ID NO: 3
139 <211> LENGTH: 27
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 3
144 wtcttggtsw rcctkgcwkt ggcygac 27
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 29
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 4
153 akgwagwagg gcagccagca gassrygaa 29
156 <210> SEQ ID NO: 5
157 <211> LENGTH: 48
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 5
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165 <210> SEQ ID NO: 6
166 <211> LENGTH: 48
167 <212> TYPE: DNA
168 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 6
171 gatcgggtgcc agcaccgcgcc gggccatcgc cttggtgcgt agcttctg 48
174 <210> SEQ ID NO: 7
175 <211> LENGTH: 8
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
180 <221> NAME/KEY: VARIANT
181 <222> LOCATION: (3)
182 <223> OTHER INFORMATION: Xaa at position 3 is any amino acid
184 <400> SEQUENCE: 7
W--> 185 Gly Asn Xaa Leu Val Val Leu Val
186 1 5
189 <210> SEQ ID NO: 8
190 <211> LENGTH: 18
191 <212> TYPE: PRT
192 <213> ORGANISM: Homo sapiens
194 <220> FEATURE:
195 <221> NAME/KEY: VARIANT
196 <222> LOCATION: (6)
197 <223> OTHER INFORMATION: Xaa at position 6 is any amino acid
199 <220> FEATURE:
200 <221> NAME/KEY: VARIANT

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TIME: 13:45:10

Input Set : A:\76750001.app

Output Set: N:\CRF4\02242003\I893512A.raw

201 <222> LOCATION: (7)  
 202 <223> OTHER INFORMATION: Xaa at position 7 is any amino acid  
 204 <220> FEATURE:  
 205 <221> NAME/KEY: VARIANT  
 206 <222> LOCATION: (12)  
 207 <223> OTHER INFORMATION: Xaa at position 12 is any amino acid  
 209 <220> FEATURE:  
 210 <221> NAME/KEY: VARIANT  
 211 <222> LOCATION: (13)  
 212 <223> OTHER INFORMATION: Xaa at position 13 is any amino acid  
 214 <220> FEATURE:  
 215 <221> NAME/KEY: VARIANT  
 216 <222> LOCATION: (17)  
 217 <223> OTHER INFORMATION: Xaa at position 17 is any amino acid  
 219 <400> SEQUENCE: 8  
 W--> 220 Leu Leu Asn Leu Ala Xaa Xaa Asp Leu Leu Phe Xaa Xaa Thr Leu Pro  
 221 1 5 10 15  
 223 Xaa Trp  
 227 <210> SEQ ID NO: 9  
 228 <211> LENGTH: 350  
 229 <212> TYPE: PRT  
 230 <213> ORGANISM: Homo sapiens  
 232 <400> SEQUENCE: 9  
 233 Met Ser Asn Ile Thr Asp Pro Gln Met Trp Asp Phe Asp Asp Leu Asn  
 234 1 5 10 15  
 236 Phe Thr Gly Met Pro Pro Ala Asp Glu Asp Tyr Ser Pro Cys Met Leu  
 237 20 25 30  
 239 Glu Thr Glu Thr Leu Asn Lys Tyr Val Val Ile Ile Ala Tyr Ala Leu  
 240 35 40 45  
 242 Val Phe Leu Leu Ser Leu Leu Gly Asn Ser Leu Val Met Leu Val Ile  
 243 50 55 60  
 245 Leu Tyr Ser Arg Val Gly Arg Ser Val Thr Asp Val Tyr Leu Leu Asn  
 246 65 70 75 80  
 248 Leu Ala Leu Ala Asp Leu Leu Phe Ala Leu Thr Leu Pro Ile Trp Ala  
 249 85 90 95  
 251 Ala Ser Lys Val Asn Gly Trp Ile Phe Gly Thr Phe Leu Cys Lys Val  
 252 100 105 110  
 254 Val Ser Leu Leu Lys Glu Val Asn Phe Tyr Ser Gly Ile Leu Leu Leu  
 255 115 120 125  
 257 Ala Cys Ile Ser Val Asp Arg Tyr Leu Ala Ile Val His Ala Thr Arg  
 258 130 135 140  
 260 Thr Leu Thr Gln Lys Arg His Leu Val Lys Phe Val Cys Leu Gly Cys  
 261 145 150 155 160  
 263 Trp Gly Leu Ser Met Asn Leu Ser Leu Pro Phe Phe Leu Phe Arg Gln  
 264 165 170 175  
 266 Ala Tyr His Pro Asn Asn Ser Ser Pro Val Cys Tyr Glu Val Leu Gly  
 267 180 185 190  
 269 Asn Asp Thr Ala Lys Trp Arg Met Val Leu Arg Ile Leu Pro His Thr  
 270 195 200 205

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Input Set : A:\76750001.app

Output Set: N:\CRF4\02242003\I893512A.raw

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272 Phe Gly Phe Ile Val Pro Leu Phe Val Met Leu Phe Cys Tyr Gly Phe
273      210                      215                      220
275 Thr Leu Arg Thr Leu Phe Lys Ala His Met Gly Gln Lys His Arg Ala
276 225                      230                      235                      240
278 Met Arg Val Ile Phe Ala Val Val Leu Ile Phe Leu Leu Cys Trp Leu
279      245                      250                      255
281 Pro Tyr Asn Leu Val Leu Leu Ala Asp Thr Leu Met Arg Thr Gln Val
282      260                      265                      270
284 Ile Gln Glu Thr Cys Glu Arg Arg Asn Asn Ile Gly Arg Ala Leu Asp
285      275                      280                      285
287 Ala Thr Glu Ile Leu Gly Phe Leu His Ser Cys Leu Asn Pro Ile Ile
288      290                      295                      300
290 Tyr Ala Phe Ile Gly Gln Asn Phe Arg His Gly Phe Leu Lys Ile Leu
291 305                      310                      315                      320
293 Ala Met His Gly Leu Val Ser Lys Glu Phe Leu Ala Arg His Arg Val
294      325                      330                      335
296 Thr Ser Tyr Thr Ser Ser Ser Val Asn Val Ser Ser Asn Leu
297      340                      345                      350
300 <210> SEQ ID NO: 10
301 <211> LENGTH: 355
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 10
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307 1      5      10      15
309 Asn Tyr Ser Tyr Ser Ser Thr Leu Pro Pro Phe Leu Leu Asp Ala Ala
310      20      25      30
312 Pro Cys Glu Pro Glu Ser Leu Glu Ile Asn Lys Tyr Phe Val Val Ile
313      35      40      45
315 Ile Tyr Ala Leu Val Phe Leu Leu Ser Leu Leu Gly Asn Ser Leu Val
316      50      55      60
318 Met Leu Val Ile Leu Tyr Ser Arg Val Gly Arg Ser Val Thr Asp Val
319 65      70      75      80
321 Tyr Leu Leu Asn Leu Ala Leu Ala Asp Leu Leu Phe Ala Leu Thr Leu
322      85      90      95
324 Pro Ile Trp Ala Ala Ser Lys Val Asn Gly Trp Ile Phe Gly Thr Phe
325      100     105     110
327 Leu Cys Lys Val Val Ser Leu Leu Lys Glu Val Asn Phe Tyr Ser Gly
328      115     120     125
330 Ile Leu Leu Leu Ala Cys Ile Ser Val Asp Arg Tyr Leu Ala Ile Val
331      130     135     140
333 His Ala Thr Arg Thr Leu Thr Gln Lys Arg Tyr Leu Val Lys Phe Ile
334 145     150     155     160
336 Cys Leu Ser Ile Trp Gly Leu Ser Leu Leu Leu Ala Leu Pro Val Leu
337      165     170     175
339 Leu Phe Arg Arg Thr Val Tyr Ser Ser Asn Val Ser Pro Ala Cys Tyr
340      180     185     190
342 Glu Asp Met Gly Asn Asn Thr Ala Asn Trp Arg Met Leu Leu Arg Ile
343      195     200     205

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/893,512A

DATE: 02/24/2003  
TIME: 13:45:11

Input Set : A:\76750001.app  
Output Set: N:\CRF4\02242003\I893512A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 3

Seq#:8; Xaa Pos. 6,7,12,13,17

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/893,512A

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Input Set : A:\76750001.app

Output Set: N:\CRF4\02242003\I893512A.raw

L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

M:341 Repeated in SeqNo=8